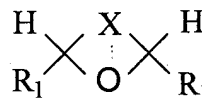
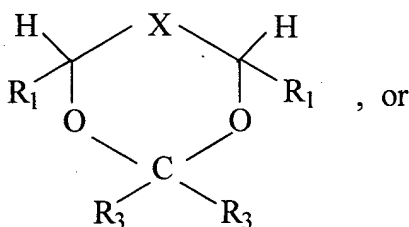
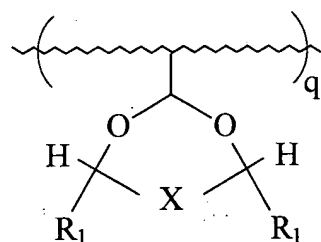
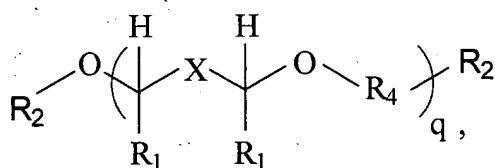


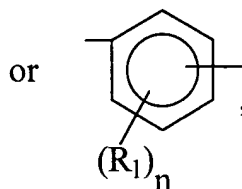
IN THE CLAIMS

Claims 1 to 24 (canceled)

25. (Currently amended) A polymer which comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a stabilizer having the formula:



where X is $-R_1C=CR_1-$, $-C\equiv C-$,



each R is independently selected from hydrogen and R', each R' is independently selected from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl from C₇ to C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂, P(R)₂, P(OR)₂, PR(OR), N(R)₂, (R)₂NCO, (R)₂NCO₂, SR, and halogen; each R₂ is independently selected

9 from R, RCO, and ROCO, ~~P(OR)₂, Sn(R)_p(OR)_{3-p}, Sn(R)_p(OCOR)_{3-p}, Si(R)_p(OR)_{3-p}, and~~
 10 ~~B(R)_p(OR)_{2-p}~~, and two R₁ groups, two R₂ groups, or an R₁ group and an R₂ group can be
 11 bridged together to form a ring, except that when X is -R₁C=CR₁- at least one R₂ is not
 12 hydrogen; each R₃ is independently selected from R', RCO, ROCO, ROCO₂, OR, SR, and
 13 ~~N(R)₂, OP(R)₂, and OP(OR)₂~~; R₄ is alkylene from C₁ to C₂₀, arylene from C₆ to C₂₀,
 14 (aryl)alkylene from C₇ to C₂₀, (alkyl)arylene from C₇ to C₂₀, alkanediyl from C₁ to C₂₀,
 15 (aryl)alkanediyl from C₇ to C₂₀, -CO-(alkylene)-CO- from C₁ to C₂₀, -CO-arylene-CO- from
 16 C₆ to C₂₀, -CO-(aryl)alkylene-CO- from C₇ to C₂₀, and -CO-(alkyl)arylene-CO- from C₇ to
 17 C₂₀, ~~Si(R)₂, SiR(OR), Si(OR)₂, P(OR), B(OR), Sn(R)₂, SnR(OR), or SnR(O-CO-R)~~; and q
 18 is 1 to 1000.

26. (Previously added) A polymer according to Claim 25 wherein said polymer is polyvinyl chloride.

27. (Previously added) A polymer according to Claim 25 that is has been made into an article that has been sterilized with gamma radiation.

28. (Currently amended) A polymer ~~according to Claim 25 wherein said stabilizer is which~~
comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene,
containing about 0.005 to about 10 phr of cis-4-benzyloxy-2-buten-1-ol.

29. (Previously added) A polymer according to Claim 25 wherein said stabilizer is

cis-1,4-dibenzyloxy-2-butene.

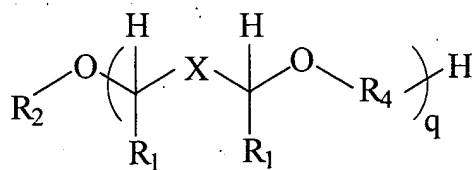
30. (Previously added) A polymer according to Claim 25 wherein said stabilizer is a phthalan.

31. (Previously added) A polymer according to Claim 25 wherein X is $-R_1C=CR_1-$.

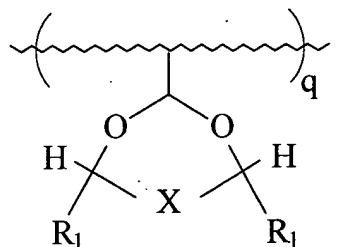
32. (Currently amended) A polymer according to Claim 25 31 wherein X is $-HC=CH-$.

33. (Previously added) A polymer according to Claim 25 where each R is independently selected from hydrogen, alkyl from C_1 to C_{12} , aryl from C_6 to C_{12} , alkaryl from C_7 to C_{12} , and aralkyl from C_7 to C_{12} .

34. (Previously added) A polymer according to Claim 25 wherein said stabilizer has the structure:

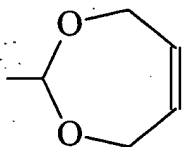


or



where R_4 is alkylene from C_1 to C_8 , (aryl)alkylene from C_7 to C_8 , or $-\text{CO}-(\text{aryl})\text{alkylene}-\text{CO}-$ from C_7 to C_8 ; and q is 1 to 5.

DI 35. (Previously added) A polymer according to Claim 34 wherein said stabilizer has the pendant group



36. (Previously added) A polymer according to Claim 34 that has been made into an article and sterilized with gamma radiation.

37. (Previously added) A polymer according to Claim 25 wherein R is benzyl.

38. (Previously added) A polymer according to Claim 25 wherein R_1 is H .

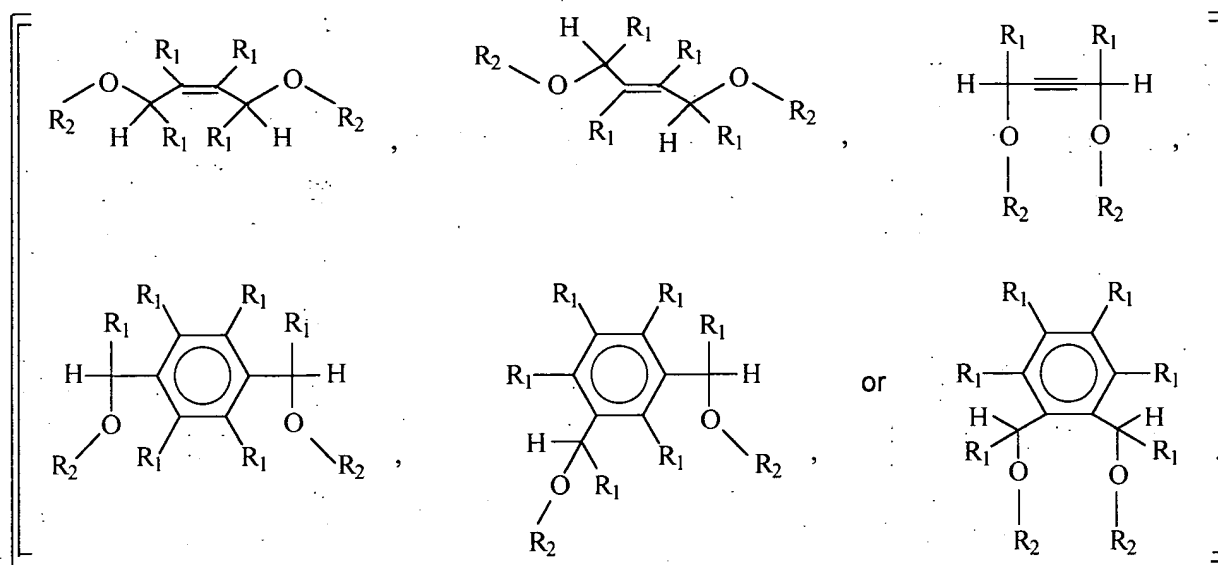
39. (Previously added) A polymer according to Claim 25 wherein R_2 is R .

40. (Previously added) A polymer according to Claim 25 wherein R_3 is R .

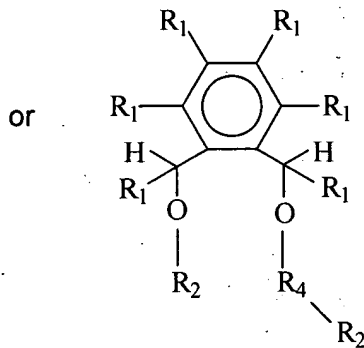
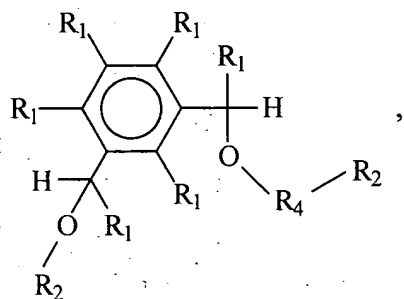
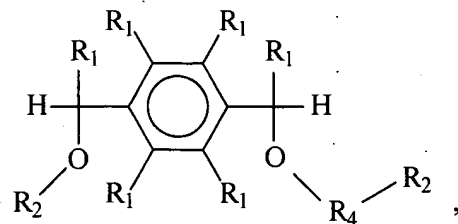
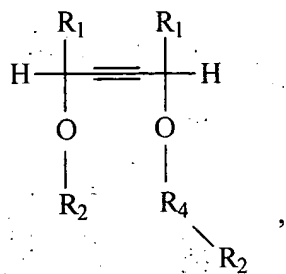
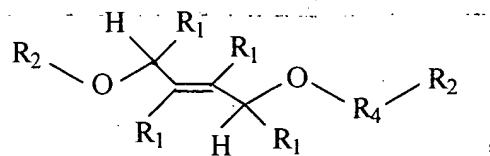
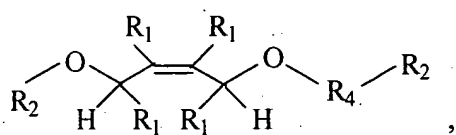
41. (Previously added) A polymer according to Claim 25 wherein said two R_1 groups that can be bridged together to form a ring are selected from the group consisting of alkylene

from C₁ to C₈, (aryl)alkylene from C₇ to C₈, and -CO-(aryl)alkylene-CO- from C₇ to C₈.

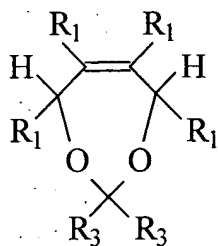
42. (Currently amended) A polymer according to Claim 25 wherein said stabilizer has the formula



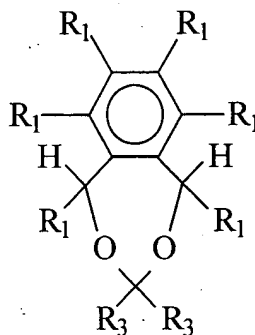
D1



43. (Previously added) A polymer according to Claim 25 wherein said stabilizer has the formula:

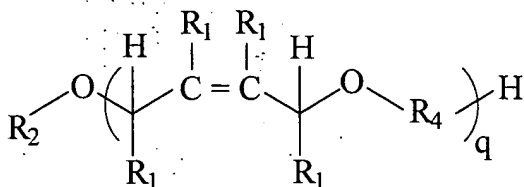


or

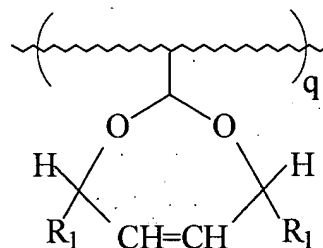


D1

44. (Currently amended) A polymer which comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a stabilizer having the formula:



or

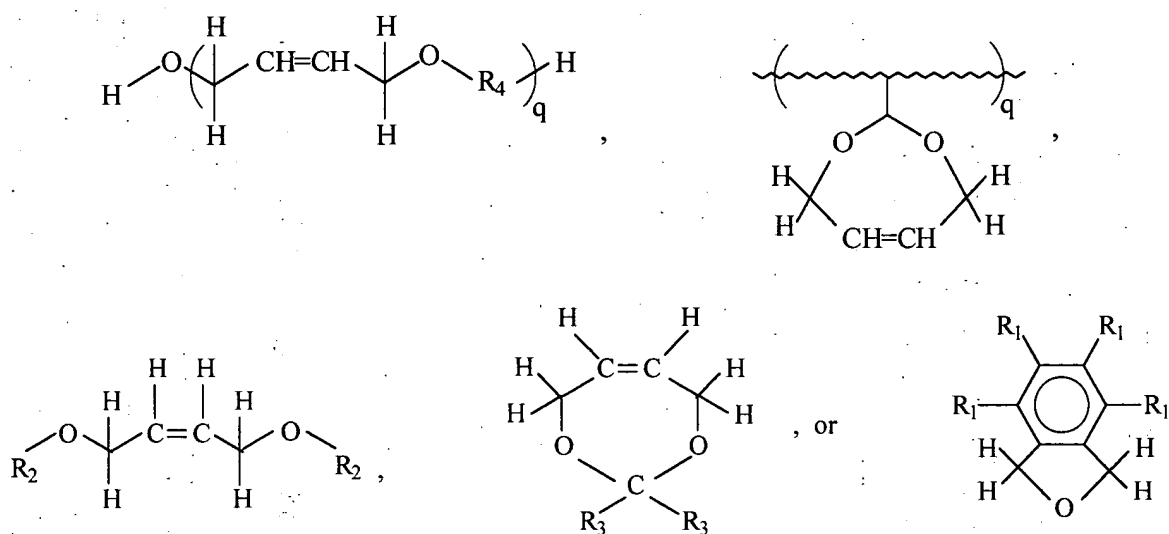


- where each R is independently selected from hydrogen and R', each R' is independently selected from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl from C₇ to C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂, ~~P(R)₂, P(OR)₂, PR(OR),~~ N(R)₂, (R)₂NCO, (R)₂NCO₂, SR, and halogen; each R₂ is independently selected from R, RCO, and ROCO, ~~P(OR)₂, Sn(R)_p(OR)_{3-p}, Sn(R)_p(OCOR)_{3-p}, Si(R)_p(OR)_{3-p}, and B(R)_p(OR)_{2-p},~~ and two R₁ groups, two R₂ groups, or an R₁ group and an R₂ group can be bridged together to form a ring, except that when X is -R₁C=CR₁- at least one R₂ is not hydrogen; R₄ is alkylene from C₁ to C₈, (aryl)alkylene from C₇ to C₈, or -CO-(aryl)alkylene-CO- from C₇ to C₈; and q is 1 to 5.

45. (Previously added) A polymer according to Claim 44 wherein said polymer is polyvinyl chloride.

D-1

47. (Previously added) Polyvinyl chloride, polyurethane, polyethylene, polypropylene, or polycarbonate containing about 0.2 to about 6 phr of a stabilizer having the formula:



where R₁ is hydrogen; one R₂ is R and the other R₂ is R or hydrogen; R₃ is R; R₄ is alkylene from C₁ to C₈, (aryl)alkylene from C₇ to C₈, or -CO-(aryl)alkylene-CO- from C₇ to C₈; R is benzyl; and q is 1 to 5.

48. (Previously added) Polyvinyl chloride according to Claim 47 that has been made into an article and said article has been sterilized with gamma radiation.